



Patent
Attorney Docket No. 1032404-000079

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Thomas J. Bruga et al.

Application No.: 10/500,325

Filing Date: June 28, 2004

Title: OPTICAL SEMICONDUCTOR DEVICE

Group Art Unit: 2811
Examiner: To Be Assigned
Confirmation No.: 8943

SECOND
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a SECOND Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

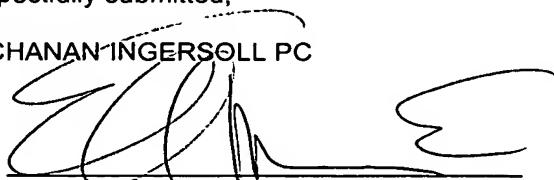
- No additional fee for submission of an IDS is required.
- The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- Charge _____ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of _____ is enclosed for the fee due.
- Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

By



Ellen Marcie Emas

Registration No. 32,131

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Date: February 23, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Hiroshi Aruga et al.

Application No.: 10/500,325

Filed: June 28, 2004

For: OPTICAL SEMICONDUCTOR DEVICE



) Group Art Unit: 2811

) Examiner: To Be Assigned

) Confirmation No.: 8943

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with MPEP § 609 III A(3), an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

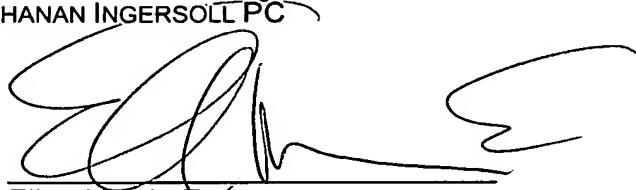
SECOND Information Disclosure Statement
Application No. 10/500,325
Attorney's Docket No. 1032404-000079
Page 2

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with MPEP § 609 III A(3), an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

By: 
Ellen Marcie Emas
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Date February 23, 2006

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**SECOND
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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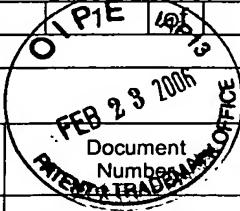
Complete if Known

Application Number 10/500,325

Filing Date June 28, 2004

First Named Inventor Hiroshi Aruga et al.

Examiner Name **To Be Assigned**



U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	European Patent Office. Supplementary European Search Report. Application No. EP 03 76 4178. December 15, 2005. (3 pages).
	XP-001222521. NAGAHORI, Takeshi et al. "An Analog Front-End Chip Set Employing an Electro-Optical Mixed Design on SPICE for 5-Gb/s/ch Parallel Optical Interconnection." IEEE Journal of Solid-State Circuits. Volume 36, No. 12. pp 1984-1991. December 2001.
	SAKAI, K. et al. "A Coaxial DFB Laser-Diode Module with a Differential Feed for 10-Gb/s Ethernet Application." Friday Morning. Volume 2. pp 679-680. OFC 2003.

Examiner Signature _____ Date Considered _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.